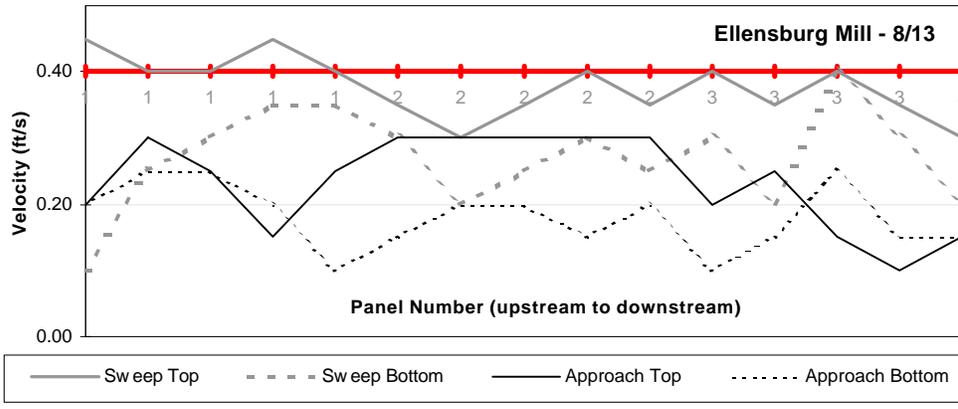
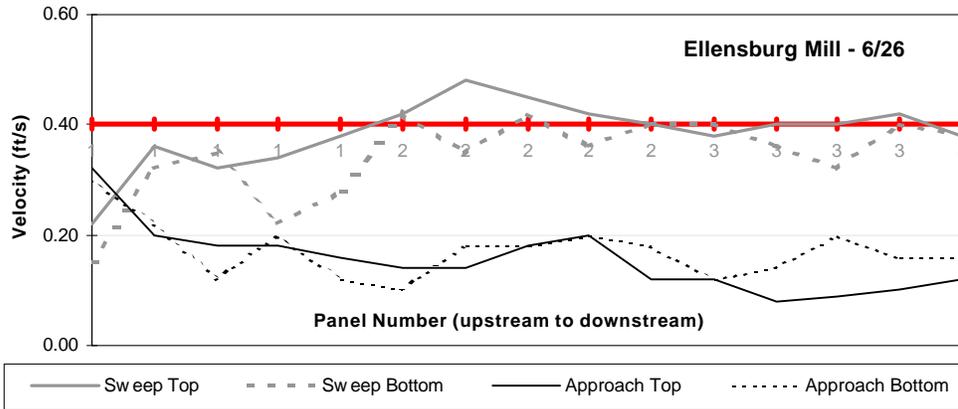
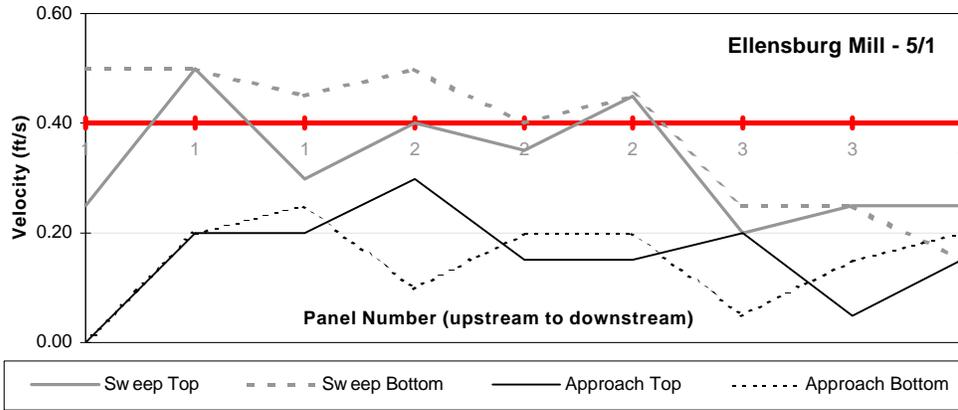
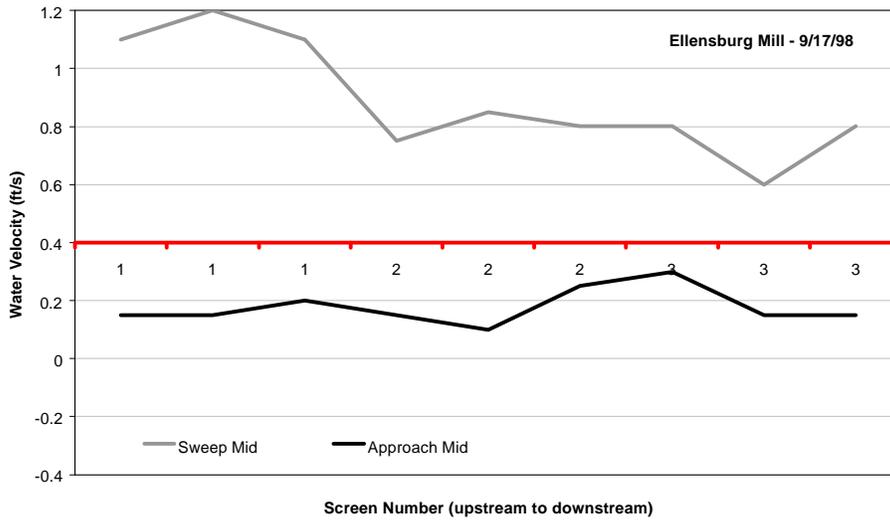
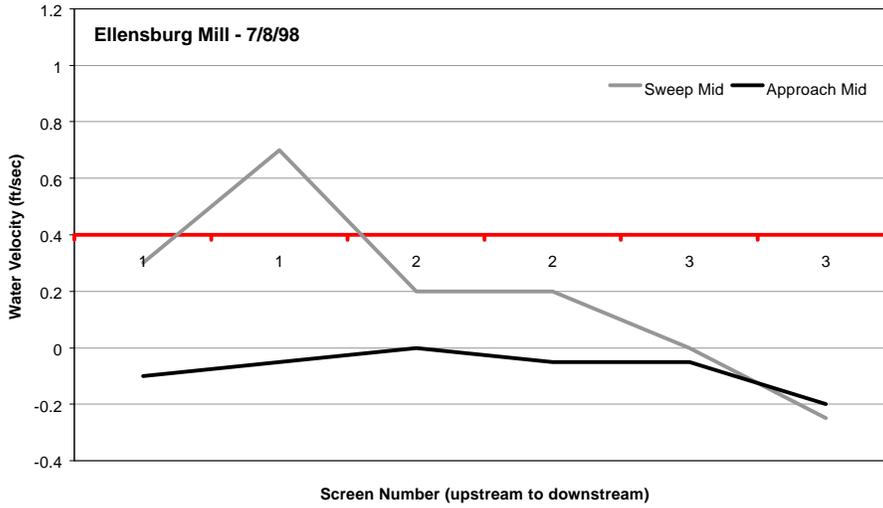
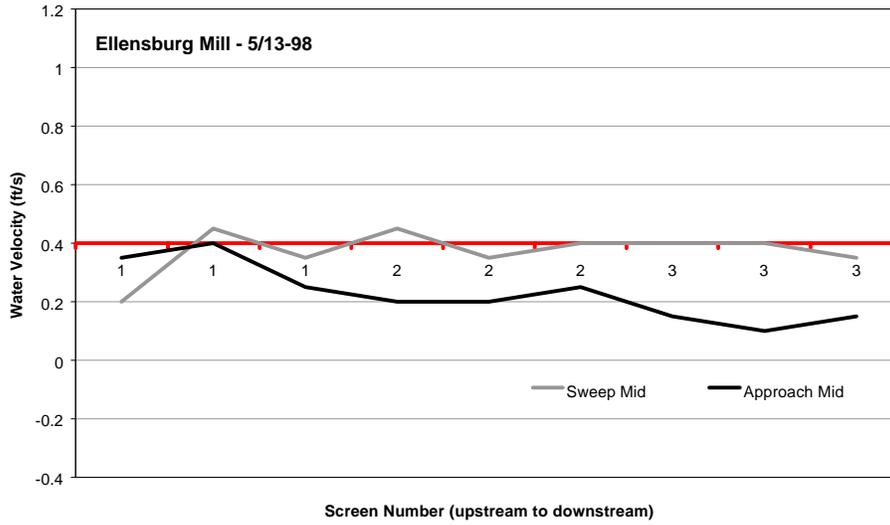


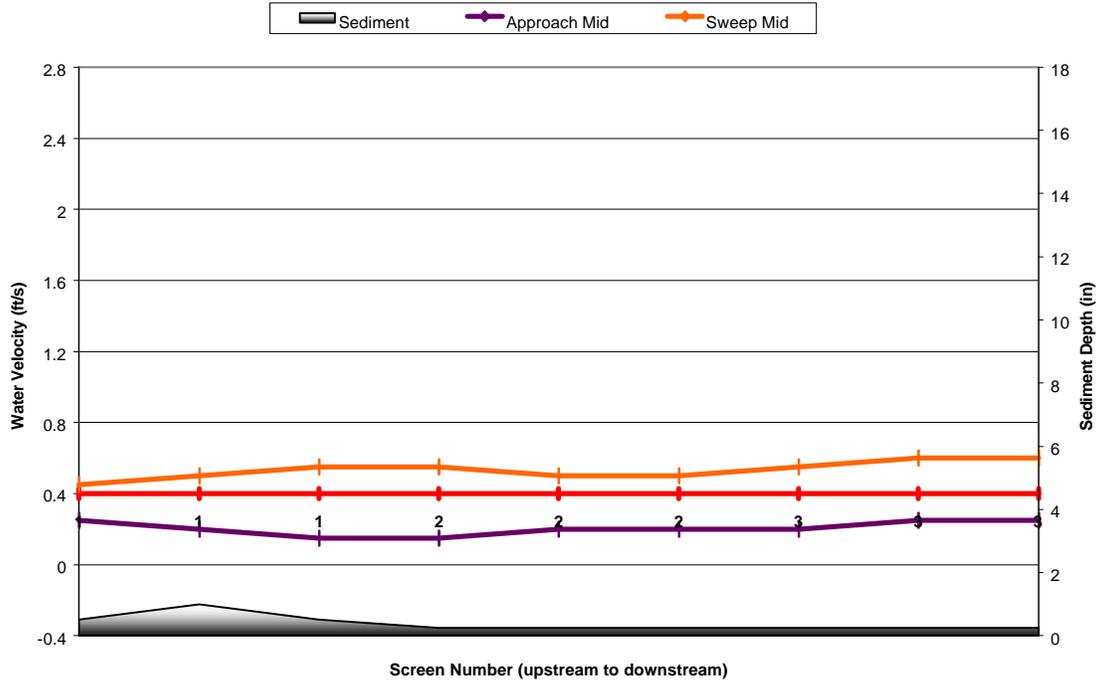
Water Velocities: Ellensburg Mill

1997

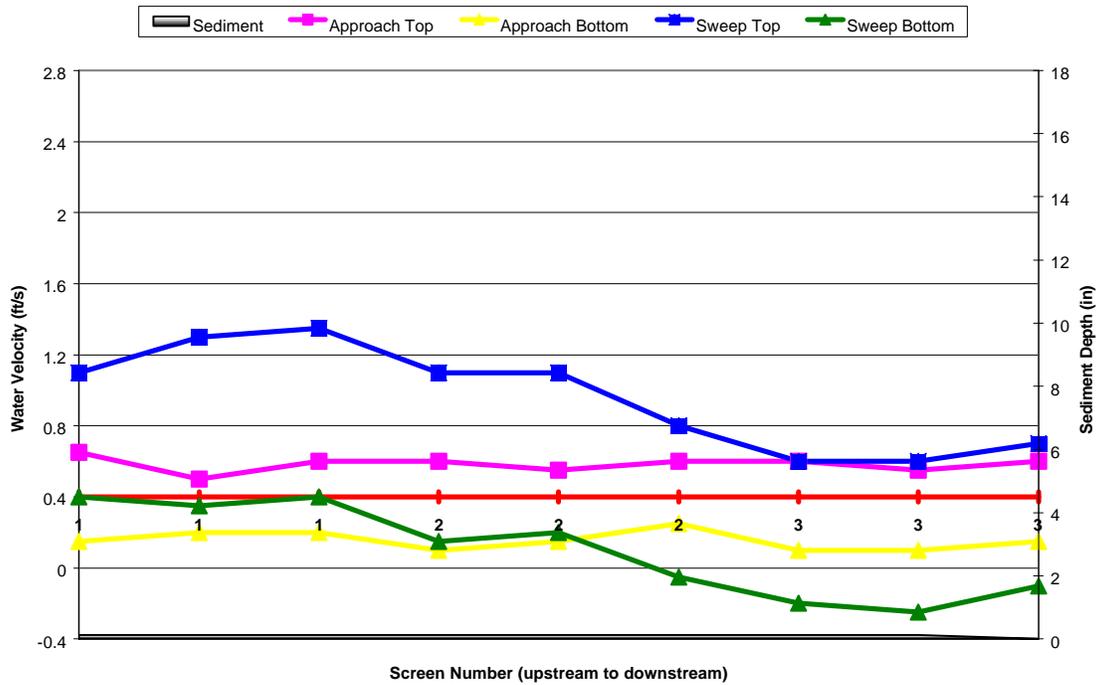




Ellensburg Mill - May 19, 1999



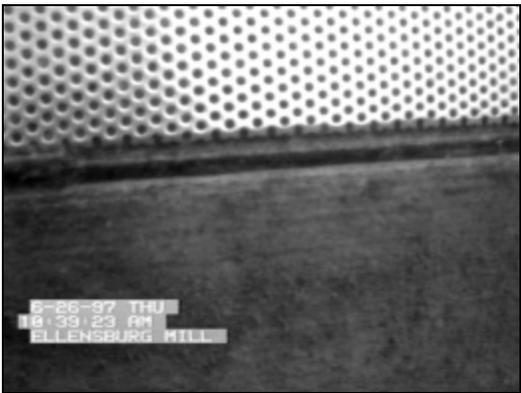
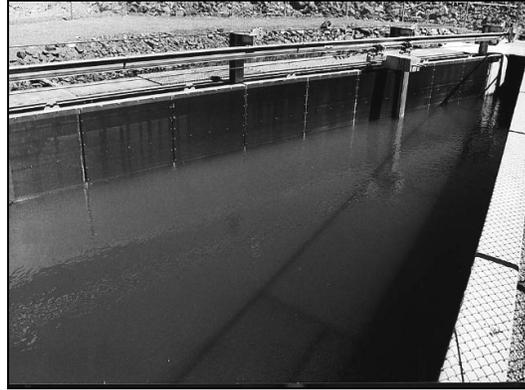
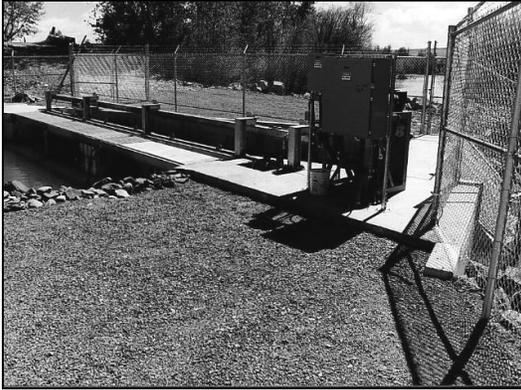
Ellensburg Mill - July 23, 1999



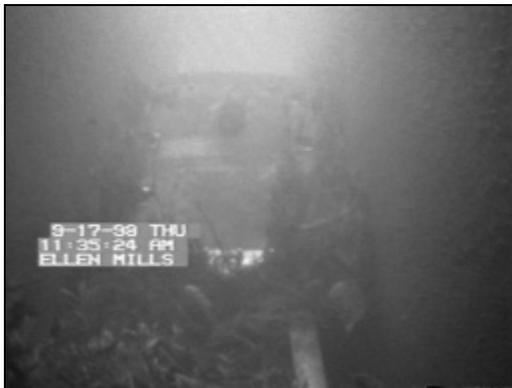
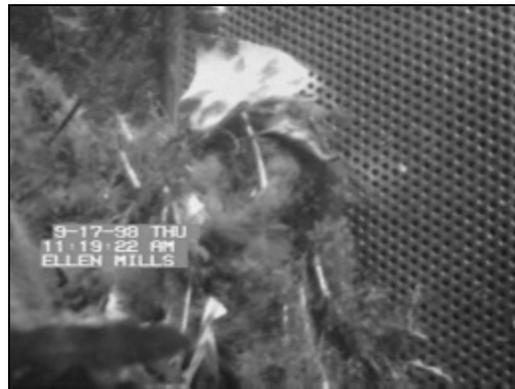
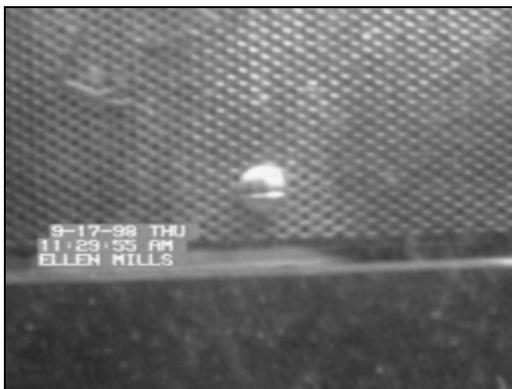
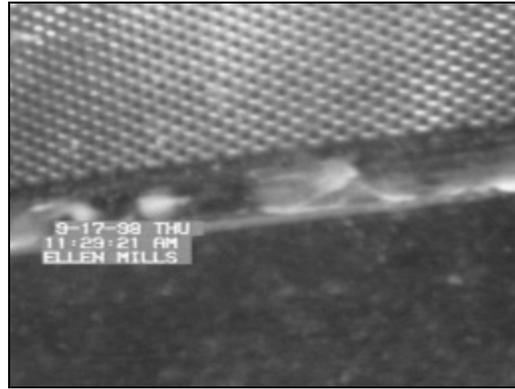
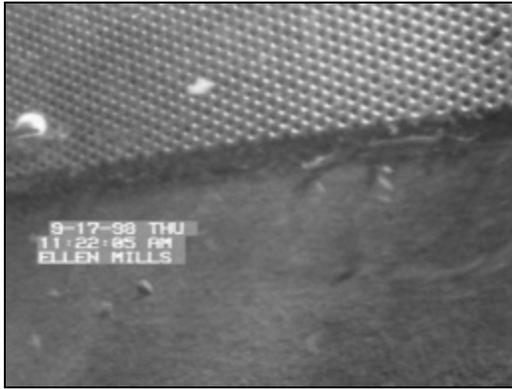
General Observations, continued

Date	Ellensburg Mill 5/1/97	Ellensburg Mill 6/26/97	Ellensburg Mill 8/13/97	Ellensburg Mill 5/13/98	Ellensburg Mill 7/8/98	Ellensburg Mill 9/17/98	Ellensburg Mill 5/19/1999	Ellensburg Mill 7/23/99
Silt	only 1" of sediment in front of panel 1; none elsewhere	about 1" of sediment	about 2" of silt	4-6" near upstream end decreasing to 1-2" near bypass. There are 2-3" of silt between the screen louvers.	Some in front of screen 1.	1" of silt on top of sill at the very downstream end of Panel 2 (of 2). Bypass had 3" silt.	All screens had from 1/4-1".	Trace amounts, but mostly elodea.
Comments	brush took 2 min to travel across the screen in one direction.	2 fish observed in aftbay; large (12") fish in forebay	in aftbay = school of twelve 2-3" fish and one 6-8" fish. In forebay=many northern pikeminnows (2 caught were 240 & 188 mm), some lg. Mouth bass juveniles, and some shiners Gap between bottom & concrete at Panel 2; debris in last seal for Panel 3.	None.	Bypass seems to be closed: there is swirling at the bypass entrance.	Lots of fish visible on both sides of the screen - as big as 8-10 inches behind the screen (possibly trout or pikeminnows). Weeds touching velocity probe caused some problems so measurements had to be taken higher in the water column than usual.	12" sed. at bypass entrance. Loose caulking at scr. 1, screens all plugged with leaf litter.	Some caulking may be missing at 1. Hard to see seams because of elodea.

1997 Photos: Ellensburg Mill



1998 Photos: Ellensburg Mill

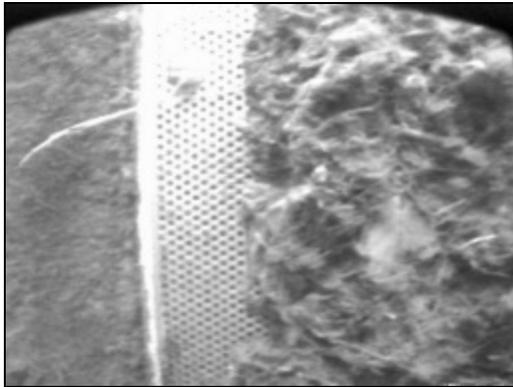




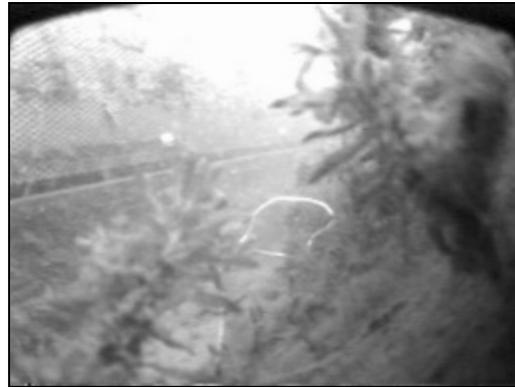
1999 Underwater Video: Ellensburg Mill

Screen Site	Date (Tape #)	Location (screen # & VCR counter)	VCR Counter	Notes	Photos	Descriptor
Ellensburg Mill	5/19/99 (2)	1 0:07:12	0:07:15	full of leaf litter, loose caulking?	0:07:20	D1
		2 0:12:34	0:09:17 0:13:20 0:13:39	large sediment/leaf pile plants growing full of leaf litter	0:09:36	D2
		3 0:15:24	0:16:00 0:17:17	sticks against panel debris	0:16:01	D3
		Bypass 0:17:34	0:17:36	full of sticks and debris		
			0:18:19	large log and debris	0:18:22	D4
Ellensburg Mill	7/23/99 (3)	1 1:13:11		elodea throughout whole forebay		
		2 1:17:13				
		3 1:22:41	1:23:28	caulking oozed out		
		Bypass 1:25:16	1:26:04	lots of debris and leaf litter		

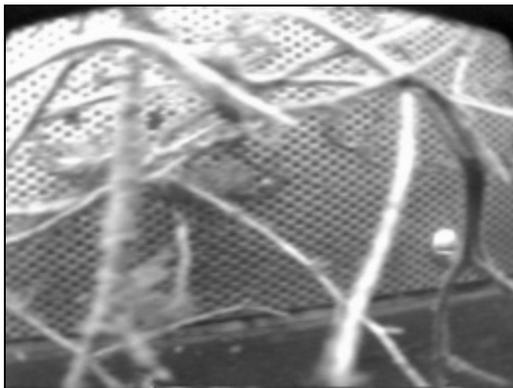
1999 Photos: Ellensburg Mill



D1



D2



D3



D4

